

ARIZONA DEPARTMENT OF WATER RESOURCES

Operations Division
500 North 3rd Street
Phoenix, Arizona 85004



WELL DRILLER REPORT

JUN 23 1995 012-GL

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

1. Owner Name: MAGMA COPPER COMPANY
Address: 14005 WEST HUNT HIGHWAY FLORENCE, AZ 85282
Street City State Zip
2. Driller Name: ARIZONA BEEMAN DRILLING LLC.
Address: P.O. Box 3370 APACHE JUNCTION AZ 85217
Street City State Zip
3. Location: 4 N(S) 9 (E/W) 28 1/4 SW 1/4 SE 1/4 SW
Township Range Section 10-acre 40-acre 160-acre
4. Well Registration No. 55- 549170 (Required)
5. Permit No. _____ (If issued)

DESCRIPTION OF WELL

6. Total depth of hole 395 ft.
7. Type of casing 40 sch. 40, sch. 80 PVC
8. Diameter and length of casing 5 9/16 in. from 7.6 to 385 in from _____ to _____
9. Method of sealing at reduction points _____
10. Perforated from _____ to _____, from _____ to _____, from _____ to _____
11. Size of cuts _____ Number of cuts per foot _____
12. If screen was installed: Length 40 ft. Diam 5 9/16 in. Type open slot, sch. 80 PVC
13. Method of construction DRILLED
(drilled, dug, driven, bored, jetted, etc)
14. Date started MAY 10 1995
Month Day Year
15. Date completed MAY 11 1995
Month Day Year
16. Depth to water 131.4 ft. (If flowing well, so state)
17. Describe point from which depth measurements were made, and give sea-level elevation if available
top of casing
18. If flowing well, state method of flow regulation: _____
19. Remarks: _____

DO NOT WRITE IN THIS SPACE

55-549170
Regi
File D(4-9)28CDC
Recd

ENTERED JUN 27 1995
Ente

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

[illegible]

I hereby certify that this well was drilled by me(or under my supervision), and that each and all statements herein contained are true to the best of my knowledge and belief.

Driller Name: AZ. Beeman Drilling LLC
P.O. Box 3370
 Street
Apache Jct. AZ 85217 983-2542
 City State Zip Phone No.
June 22, 1995
 Date

MONITOR/PIEZOMETER WELL

FILING FEE \$10.00

ARIZONA DEPARTMENT OF WATER RESOURCES
OPERATIONS DIVISION500 NORTH THIRD STREET
PHOENIX, ARIZONA 85004 (602) 417-2470

NOTICE OF INTENTION TO DRILL MONITOR/PIEZOMETER WELL

MONITOR/PIEZOMETER WELL

DEPARTMENT OF WATER RESOURCES
FILING FEE \$10.00

MAR 31 1995

0828-2

Section § 45-596, Arizona Revised Statutes provide: Prior to drilling a monitor or piezometer well, a Notice of Intention to Drill shall be filed with the Department.

1. WELL LOCATION:

4 N	9 W	28
Township	Range	Section

SW 1/4	SE 1/4	SW 1/4
10 ACRE	40 ACRE	160 ACRE

2. Position location of the well on the land:

Latitude 33 0 3 15 "Longitude 111 0 26 15 "3. County: PINAL

4. Owner of the land of wellsite:

MAGMA COPPER COMPANY
Name
14605 WEST HUNTA HIGHWAY
Address
FLORENCE AZ 85232
City State Zip

5. Lessee of the land of wellsite:

Name

Address

City State Zip

6. Owner of well:

MAGMA COPPER COMPANY
Name
14605 WEST HUNT HIGHWAY
Address
FLORENCE AZ 85232
City State Zip

7. Consulting Firm: BROWN AND CALDWELLContact Person: STEVE MELLONPhone: (602) 222-4445

8. Purpose of well drilled pursuant to this notice

Monitor X

Piezometer _____

9. If for deepening or modifying, Well Registration Number

55- _____

10. Construction will start:

<u>APRIL</u>	<u>1995</u>
Month	Year

11. Period well will remain in

use 1 Months/Years

12. For monitoring wells, is pump equipment to be installed?

Yes _____ No X

(a) If yes, design pump capacity _____

(b) What use will be made of the water _____

13. Drilling firm:

BOYLES BROTHERS DRILLING
Name
6527 W. NORTHVIEW AVE.
Address
GLENDALE AZ 85301
City State Zip

DWR License No. 28

CLASS A-04 076-386-002
ROC License classification

14. Is the proposed wellsite within 100 feet of a septic tank system, sewage disposal area, landfill, hazardous waste facility, storage area of hazardous material or petroleum storage areas and tanks?

Yes _____ No X16. Proposed method of abandonment of well after project is completed: ACCORDING TO REGULATION17. Is this well to monitor existing contamination? No Potential contamination No Please explain: _____

GENERAL INSTRUCTIONS

- Fill out this form in **DUPLICATE** and send **WITH \$10.00 FEE** to 500 NORTH THIRD STREET, PHOENIX, AZ 85004
- For specific instructions, limitations and conditions, see the reverse side of this form.
- Must be signed by land owner or lessee.
- Section §45-596(D), provides that the Director shall determine that all information required on form has been submitted. If not, the person filing will be notified and the drilling, deepening, or modification of the well may not proceed.

I state that Notice is filed in compliance with Section § 45-596 and is complete and correct to the best of my knowledge and belief and that I understand the conditions set forth on the reverse side of this form.

John T. Kline
Typed or Printed Name

John T. Kline
Signature [] Land Owner [] Lessee of wellsite

3/17/95
Date

18. If construction plans have been coordinated with Arizona Department of Environmental Quality, who is the agency contact? _____
 If construction plans have been coordinated with Arizona Department of Water Resources, who is the agency contact? _____
19. WELL CONSTRUCTION PLAN
- a) Drilling method (mud rotary, hollow-stem auger, etc.) MUD ROTARY
- b) Borehole diameters: 13 3/4 inches from 0 feet to 20 feet.
8 3/4 inches from 20 feet to 715 feet.
- c) Casing materials (PVC, steel, hollow-stem auger, etc.)
 material STEEL diameter 9 5/8 inches from 0 feet to 20 feet
 material PVC SCHD 80 diameter 4 inches from 20 feet to 455 feet
- d) Method of sealing at reductions _____
- e) Annular seal materials (cement, grout, etc.); method of placement (tremied, circulated)
 material CEMENT GROUT method TREMIE from 0 feet to 20 feet
 material BENTONITE GROUT method TREMIE from 20 feet to 445 feet
- f) Filter packs (state material):
 material COLORADO SILICA SAND #6-9 MESH from 445 feet to 715 feet
 material _____ from _____ feet to _____ feet
- g) Perforations or screen specifications:
 type .080 INCH SLOT PVC SCHD 80 from 455 feet to 705 feet
 type _____ from _____ feet to _____ feet
- h) Method of well development (bail, air lift, surge) AIR LIFT AND JETTING
- i) Will surface or conductor casing extend above grade: Yes _____ No X
20. Include detailed construction diagram showing expected water depth in feet below land surface, and details of vault, if specified.

CONDITIONS

- I. Construction and abandonment standards for all wells shall be in accordance with A.A.C. R12-15-811 and R12-15-816.
- II. Drilling of the well shall be completed within one (1) year after the date of Notice.
- III. A Well Driller Report, is required within 30 days of completion of drilling. A Completion Report, is required to be filed with the Department within 30 days after installation of pump equipment for monitor wells.
- IV. Pump equipment may not be installed on a well drilled for piezometer purposes. If a monitor well is pumped, pumping is limited to the maximum amount required for monitor purposes, but in no case may exceed 35 gallons per minute and an annual volume of 10 acre feet total.
- V. A.A.C. Rule R12-15-811.H.2, requires that: "A monitor well shall be identified as such on the vault cover or at the top of the steel casing. Identification information will include well registration number."
- VI. Special construction standards required pursuant to A.A.C. Rule R12-15-821: _____

MAR 23 1995

**ARIZONA DEPARTMENT OF WATER RESOURCES
GROUNDWATER MANAGEMENT SUPPORT SECTION**
500 North Third Street, Phoenix, Arizona 85004-3903
Phone (602) 417-2470 Fax (602) 417-2422

**REQUEST FORM TO CHANGE WELL INFORMATION
OWNERSHIP * DRILLER * VARIANCE**

Please complete the appropriate section of this request form and return to the above address with applicable fee.
NOTE: A.R.S. § 45-593.C requires that the Department be notified of change of well ownership and that the new owner is required to keep the Department's Well Registration records current and accurate. Well data and ownership changes must be submitted within thirty days after changes take place.

SAVE THIS FORM TO REPORT FUTURE CHANGES IN OWNERSHIP, CHANGES IN ADDRESS, OR CHANGE IN WELL DATA SUCH AS PUMP CAPACITY, CORRECTION OF LEGAL DESCRIPTION, CHANGE OF WELL DRILLER AND AMENDING INFORMATION PREVIOUSLY FILED.

1. CHANGE OF WELL INFORMATION: (NO FEE REQUIRED)

NOTE: If the location of the proposed well changes after drilling authority has been issued, attach a \$10.00 reissue fee for each well.

WELL REGISTRATION NO. 55- 549170 FILE NO: D(4-9)28 CDC

If known, I/We request the following well information be changed: _____

NAME CHANGE ONLY

Date _____ Signature of Current Well Owner _____

2. STATEMENT OF CHANGE OF WELL OWNERSHIP: (\$10.00 FEE REQUIRED)

NOTE: If this change consists of more than one well and the names are common: attach a \$10.00 fee. Otherwise, each well requires a separate fee of \$10.00.

I, _____, state that I am the Previous/New Owner of the well described below:

_____ ¼ _____ ¼ _____ ¼ of Section _____ Township _____ Range _____
10 Acre 40 Acre 160 Acre

Well Registration No. 55- See attached File No.: _____ (if known)

Magma Copper Company BHP Copper Inc.
PRINT Previous Owner's Name **PRINT New Owner's Name**

7400 North Oracle Road, Suite 200 7400 North Oracle Road, Suite 200
Mailing Address Mailing Address

Tucson Arizona 85704 Tucson Arizona 85704
City State Zip City State Zip

520-575-5600 520-575-5600
Telephone Number Telephone Number

Signature of Previous/New Well Owner By: [Signature] Date 7-23-96
Title: Land Manager

ENTERED MAY - 7 1996
MAO

**ARIZONA DEPARTMENT OF WATER RESOURCES
GROUNDWATER MANAGEMENT SUPPORT SECTION
500 North Third Street, Phoenix, Arizona 85004-3903
Phone (602) 417-2470 Fax (602) 417-2422**

3. REQUEST TO CHANGE WELL DRILLER \$10.00 FEE REQUIRED FOR EACH WELL

This request must be received by this Department and the Drill Card issued to the new drilling firm prior to the drilling or completion of any well.

Well Registration No. 55- _____ File No: _____

Original Well Driller

New Well Driller

Mailing Address

Mailing Address

Telephone Number

Telephone Number

ADWR License Number

ADWR License Number

R.O.C. License Category

R.O.C. License Category

Typed or Printed Name of Well Owner

Signature of Well Owner

Date

The fee charge for well ownership and reissue of drill card is authorized by R12-15-151, effective June 30, 1994.

4. REISSUE OF DRILLING AUTHORITY FOR VARIANCE REQUEST: (\$10.00 EACH WELL)

NOTE: If extraordinary or unusual conditions exist, after the initial drilling authority has been issued, the well owner or well driller may request a variance from the provisions of R12-15-811.

WELL REGISTRATION NO. 55- _____ FILE NO: _____

I/WE REQUEST THE FOLLOWING WELL DRILLING AUTHORITY BE REISSUED PER THE ATTACHED VARIANCE REQUEST:

Signature of Well Owner/Well Driller _____ Date _____

NAME: MAGMA COPPER CO

GRID: D 1U

REPORT NO: WL9020

ARIZONA DEPARTMENT OF WATER RESOURCES WELL REPORT
OPERATIONS DIVISION

PAGE 5,088

REPORT DATE: 1/31/96

*** WELLS SEQUENCED BY ALPHABETICAL ORDER ***

FULL-NAME	Q U A D	T O W N	R N G E	S E C T	Q T R 1 2 3	REG NO	WELL DEPTH	DEPTH CASED	CD AI SA EM	WATER LEVEL	PUMP (GPM)	WELL DRILL DATE	DRL LIC NO.	WTR USE	WS AH TE RD	L C O R G T	O W N
MAGMA COPPER CO 14605 W HUNT HWY FLORENCE	D	4.0	9.0	28	C C A	55-549160	1330	1315	04	0151		6/30/1995	360	M	U8	X N	
AZ 85232																	
MAGMA COPPER CO 14605 W HUNT HWY FLORENCE	D	4.0	9.0	28	C C A	55-549161	0500	0491	06	0155		7/03/1995	360	M	U8	X N	
AZ 85232																	
MAGMA COPPER CO 14605 W HUNT HWY FLORENCE	D	4.0	9.0	28	C C A	55-549162	1132	1019	05	0159	00000	6/18/1995	360	M	15	X N	
AZ 85232																	
MAGMA COPPER CO 14605 W HUNT HWY FLORENCE	D	4.0	9.0	28	D B B	55-549164	0610	0599	04	0141		8/26/1995	314	M	U8	X N	
AZ 85232																	
MAGMA COPPER CO 14605 W HUNT HWY FLORENCE	D	4.0	9.0	28	D B B	55-549165	0270	0261	04	0141		8/16/1995	314	M	U8	X N	
AZ 85232																	
MAGMA COPPER CO 14605 W HUNT HWY FLORENCE	D	4.0	9.0	28	D A A	55-549166	0616	0600	06	0140		8/14/1995	314	M	U8	X N	
AZ 85232																	
MAGMA COPPER CO 14605 W HUNT HWY FLORENCE	D	4.0	9.0	28	D A A	55-549167	0270	0258	06	0141		8/25/1995	314	M	U8	X N	
AZ 85232																	
MAGMA COPPER CO 14605 W HUNT HWY FLORENCE	D	4.0	9.0	28	C D C	55-549169							360	M	15	I N	
AZ 85232																	
MAGMA COPPER CO 14605 W HUNT HWY FLORENCE	D	4.0	9.0	28	C D C	55-549170	0395	0385	05	0131		5/11/1995	360	M	15	X N	
AZ 85232																	
MAGMA COPPER CO 14605 W HUNT HWY FLORENCE	D	4.0	9.0	28	C D C	55-549171	0999	0980	06	0131		5/09/1995	360	M	15	X N	
AZ 85232																	
MAGMA COPPER CO 14605 W HUNT HWY FLORENCE	D	4.0	9.0	28	C D C	55-549172	0950	0858	05	0159	00014	6/02/1995	314	M	U8	X X	
AZ 85232																	

NAM

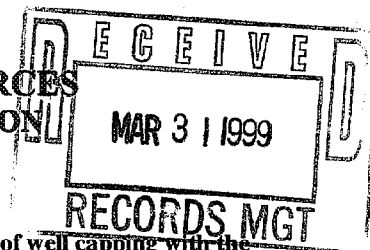
REPOR

REPOR

MAGNA
BOX 2
YUMAMAGNE
3701
PHOENMAGNE
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PEARCMAGNI
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PAYSOMAGNI
603 W
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ARIZONA DEPARTMENT OF WATER RESOURCES
GROUNDWATER MANAGEMENT SUPPORT SECTION
 P O BOX 458, PHOENIX, ARIZONA 85001-0458
 PHONE: (602) 417-2470



Arizona Revised Statute §45-594 and A.A.C. R12-822: The owner of an open well shall file a notice of well capping with the Department in writing no later than five days after the well is capped.

NOTICE OF WELL CAPPING

1. LEGAL DESCRIPTION OF THE LOCATION OF WELL:

a. Township 45
 b. Range 9E
 c. Section 28
SW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$
 10 Acre 40 Acre 160 Acre

2. WELL REGISTRATION NUMBER:

55- 549170

File No: 0(4-9) 28 CDC

3. OWNER OF THE WELL:

BHP Copper
 Name
14605 East Hunt Hwy
 Address
Florence, AZ 85232
 City State Zip
(520) 868-5090
 Telephone Number

4. PERSON INSTALLING THE CAP:

Richard Stichling
 Name
14605 East Hunt Hwy
 Address
Florence, AZ 85232
 City State Zip
(520) 868-5311
 Telephone Number

5. DATE WELL WAS CAPPED:

1996

6. METHOD OF CAPPING:

① Watertight well
cap ② Vault with
locking lid

7. TYPE AND DIAMETER OF CASING:

Type of Well Casing: Sch 40
LCs, Sch 80 PUC
 Diameter of Well Casing: 5 9/16"

8. COMMENTS

I state that this Notice is filed in compliance with A.R.S. §45-594 and A.A.C. R12-15-822, and is complete and correct to the best of my knowledge and belief.

9. Signature

Walter La Booy

Date

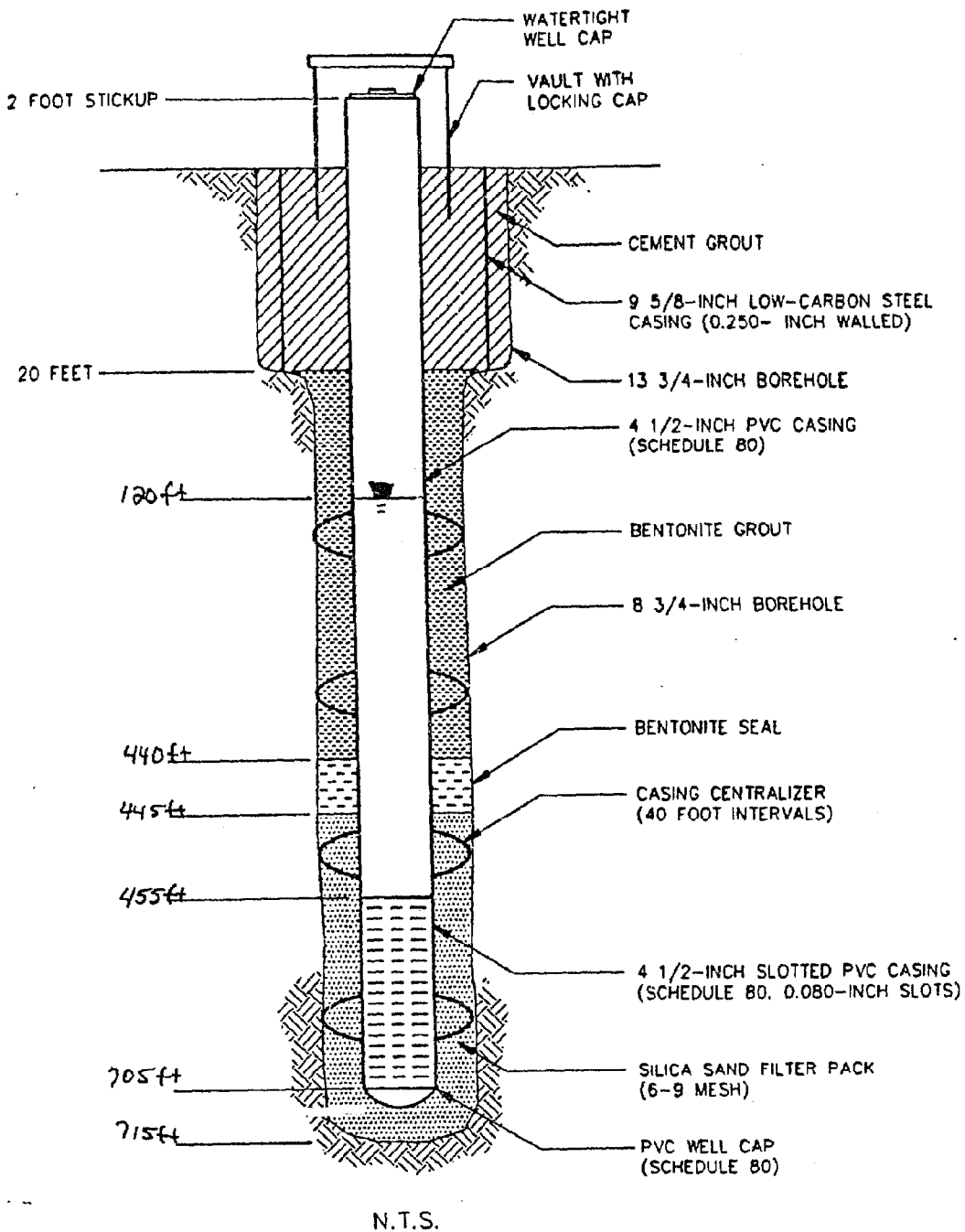
3/30/99

OB 28-3
OB 28-4

DEPARTMENT OF WAR

MAR 31 1995

OPERATIONS DIV.



NOTES:

1. PVC = POLYVINYL CHLORIDE
2. CASING DIMENSIONS ARE OUTSIDE DIAMETER

WELL DESIGN

BROWN AND CALDWELL

ARIZONA DEPARTMENT OF WATER RESOURCES

500 North Third Street, Phoenix, Arizona 85004
Telephone (602) 417-2470
Fax (602) 417-2401



FIFE SYMINGTON
Governor

RITA P. PEARSON
Director

April 18, 1995

Magma Copper Company
14605 West Hunt Highway
Florence, AZ 85232

RE: Registration No. 55-549169 thru 55-549171

File No. D(4-9)28CDC

Dear Well Owner:

Enclosed for your records is an annotated copy of the Notice of Intention to Drill a well. This is returned to you as evidence of compliance with A.R.S. §45-596. A drilling card has been mailed to your designated driller. Prior to drilling he must have it in his possession.

Since this well is being drilled as a Monitor well, or for Cathodic Protection, Grounding, Geotechnical or Piezometer purposes, our standard driller report form is also being furnished to the driller. He is required to complete it and return it to the Department within 30 days after the completion of the well. A Completion Report form is being furnished for monitor wells where pump installation is authorized. This must be completed within thirty days of installation as required by A.R.S. §45-600.

A Change of Well Information form is enclosed for your future use. If you deem it necessary to change the location of the proposed well, please notify the Department on the enclosed form. A properly amended Drilling Card will then be issued and must be in possession of the driller before drilling begins. During the drilling of a new well, if it is determined that it must be abandoned, then a Well Abandonment Completion Report must be submitted per R12-15-816.F.

Per A.R.S. §45-593, the person to whom a well is registered shall notify this Department of a change of ownership of the well and/or information pertaining to the physical characteristics of the well, in order to keep the well registration file current and accurate.

For additional information, you may contact the Operations Division at (602) 542-1581.

Sincerely,

A handwritten signature in cursive script that reads "Dorothy Boggs".

Dorothy Boggs
Groundwater Permit Specialist

RECEIPT

18495

BROWN & CALDWELL
3636 N. CENTRAL AVE., STE. 300
PHOENIX, AZ 85012

MAGMA COPPER COMPANY

STATE OF ARIZONA
DEPARTMENT OF WATER RESOURCES
OPERATIONS DIVISION
15 SOUTH 15TH AVENUE
PHOENIX, ARIZONA 85007
(602) 542-1581

ENTRY CODE 55

FILE NO. 55-549128

THRU

55-549182

ITEM DESCRIPTION	RATE	AMOUNT
FILING FEE FOR NOI TO DRILL A WELL	10.00	550.00
REG. NO. 55-549128 THRU 55-549182		
FILE NO. VARIOUS		

PAID

CHECK NO. 7548 FEE ACCOUNT NO. _____ TOTAL \$ 550.00

CHIT NO. _____ RECEIVED BY _____ DB DATE 04-12-95

**ARIZONA DEPARTMENT OF WATER RESOURCES
OPERATIONS DIVISION**

500 North Third Street
Phoenix, Arizona 85004-3903
Phone (602) 417-2470

DUPLICATE

THIS AUTHORIZATION SHALL BE IN POSSESSION OF THE DRILLER DURING ALL DRILL OPERATIONS

WELL REGISTRATION NO. 55-549169 THRU 55-549171

AUTHORIZED DRILLER: BOYLES BROTHERS DRILLING

LICENSE NO. 28

NOTICE OF INTENTION TO DRILL A MONITOR WELL HAS BEEN FILED WITH THE DEPARTMENT BY:

Owner of Well(s)

MAGMA COPPER COMPANY

14605 WEST HUNT HIGHWAY

FLORENCE

AZ 85232

The well(s) is/are to be located in:

SW 1/4 SE 1/4 SW 1/4
10 acre 40 acre 160 acre

Section 28

Township

4.0 SOUTH

Range

9.0 EAST

NUMBER OF WELLS IN PROJECT: 3

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON MAR 30TH, 1996

THE DRILLER SHALL FILE A LOG OF THE WELL WITHIN 30 DAYS OF
COMPLETION OF DRILLING.




CHIEF, OPERATIONS DIVISION

ARIZONA DEPARTMENT OF WATER RESOURCES

Operations Division, 500 North Third Street
Phoenix, Arizona 85004 Telephone (602) 417-2470

012-GL

3. REQUEST TO CHANGE WELL DRILLER \$10.00 FEE REQUIRED FOR EACH WELL

This request must be received by this Department and the Drill Card issued to the new drilling firm PRIOR to the drilling or completion of any well.

Well Registration No. 55- 549170

File No. D(4-9)28cdc

BOYLES BROTHERS DRILLING
Original Well Driller

ARIZONA BEEMAN DRILLING LLC.
New Well Driller

6527 W. NORTHVIEW AVE.
Mailing Address GLENDALF, AZ 85301

P.O. Box 3370 APACHE JUNCTION, AZ. 85217
Mailing Address


28
ADWR License Number

360
ADWR License Number

CLASS A-04 - 076-386-002
R.O.C. License Number

CLASS A-04 - 102429
R.O.C. License Number

JOHN T. KLINE
Typed or Printed Name of Well Owner


Signature of Well Owner

5/31/95
Date

The fee charge for well ownership and reissue of drill card is authorized by R12-15-151, effective June 30, 1994.

ENTERED JUN 20 1995

DWR-55-71-8/94(Rev)

JUN 6 1995

012-GL

ARIZONA DEPARTMENT OF WATER RESOURCES

Operations Division, 500 North Third Street
Phoenix, Arizona 85004 Telephone (602) 417-2470

REQUEST FORM TO CHANGE WELL INFORMATION OWNERSHIP * DRILLER

Please complete the appropriate section of this request form and return to the above address with applicable fee. **NOTE:** A.R.S. §45-593.C. requires that the Department be notified of change of well ownership and that the new owner is required to keep the Department's Well Registration records current and accurate. Well data and ownership changes must be submitted within thirty (30) days after changes take place.

SAVE THIS FORM TO REPORT FUTURE CHANGES IN OWNERSHIP, CHANGES IN ADDRESS, OR CHANGE IN WELL DATA SUCH AS PUMP CAPACITY, CORRECTION OF LEGAL DESCRIPTION, CHANGE OF WELL DRILLER AND AMENDING INFORMATION PREVIOUSLY FILED.

1. CHANGE OF WELL INFORMATION

NO FEE REQUIRED

NOTE: If the location of the proposed well changes after drilling authority has been issued, attach a \$10.00 reissue fee for each well.

Well Registration No. 55-_____ File No. _____ (If known)

I/We request the following well information be changed: _____

Date _____ Signature of Current Well Owner _____

2. STATEMENT OF CHANGE OF WELL OWNERSHIP

\$10.00 FEE REQUIRED

If this change consists of more than one well and the names are common: attach a \$10.00 fee. Otherwise, each well requires a separate \$10.00.

I, _____, state that I am the Previous/New Owner of the well described below:

_____ $\frac{1}{4}$ _____ $\frac{1}{4}$ _____ $\frac{1}{4}$; Section _____ Township _____ Range _____
10 acre 40 acre 160 acre

Well Registration No. 55-_____ File No. _____ (If known)

PRINT Previous Owner's Name _____

PRINT New Owner's Name _____

Mailing Address _____

Mailing Address _____

City _____ State _____ Zip _____

City _____ State _____ Zip _____

Telephone _____

Telephone _____

Date _____ Signature of Previous/New Well Owner _____

DWR-55-71-8/94(Rev)

**ARIZONA DEPARTMENT OF WATER RESOURCES
OPERATIONS DIVISION**

500 North Third Street
Phoenix, Arizona 85004-3903
Phone (602) 417-2470

REISSUE

DUPLICATE

THIS AUTHORIZATION SHALL BE IN POSSESSION OF THE DRILLER DURING ALL DRILL OPERATIONS

WELL REGISTRATION NO. 55-549168 THRU 55-549171

AUTHORIZED DRILLER: AZ BEEMAN DRILLING

LICENSE NO. 360

NOTICE OF INTENTION TO DRILL A MONITOR WELL HAS BEEN FILED WITH THE DEPARTMENT BY:

Owner of Well(s)

MAGMA COPPER COMPANY

14605 WEST HUNT HIGHWAY

FLORENCE

AZ 85232

The well(s) is/are to be located in:

SW 1/4 SE 1/4 SW 1/4 Section 28 Township 4.0 SOUTH Range 9.0 EAST
10 acre 40 acre 160 acre

NUMBER OF WELLS IN PROJECT: 4

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON MAR 30TH, 1996

THE DRILLER SHALL FILE A LOG OF THE WELL WITHIN 30 DAYS OF
COMPLETION OF DRILLING.




CHIEF, OPERATIONS DIVISION